WHAT IS CLAIMED IS:

1. A ladder filter comprising series arm resonators and parallel arm resonators; wherein

the series arm resonators and the parallel arm resonators are alternately connected to each other;

each of the series arm resonators is a first series arm resonator connected in parallel to an inductor or a second series arm resonator not connected to an inductor; and

a relationship of fsr1 < fsr2 is satisfied, where fsr1 represents the resonant frequency of the first series arm resonator and fsr2 represents the resonant frequency of the second series arm resonator.

- 2. A ladder filter according to Claim 1, wherein a relationship of fsr1 < fpa < fsr2 is satisfied, where fpa represents the anti-resonant frequency of the parallel arm resonators.
- 3. A ladder filter according to Claim 1, wherein a relationship of fsa2 < fsa1' is satisfied, where fsa1' represents the anti-resonant frequency of the first series arm resonator, the anti-resonant frequency of the first series arm resonator is shifted by the operation of the inductor, which is connected in parallel with the first series arm resonator, and fsa2 represents the anti-resonant frequency of the second series arm resonator.
- 4. A ladder filter according to Claim 1, wherein a relationship of fpa \times 0.995 < $(fsr1 + fsr2)/2 < fpa <math>\times$ 1.01 is satisfied, where fpa represents the anti-resonant frequency of the parallel resonators.
- 5. A ladder filter according to Claim 1, wherein the resonant frequency of the first series arm resonator is different from the resonant frequency of the second series arm resonator.

- 6. A ladder filter according to Claim 1, further comprising a package, wherein the inductor connected in parallel to the first series arm resonator is arranged in the package.
- 7. A ladder filter according to Claim 1, wherein the resonator is a oneterminal pair surface acoustic wave resonator including a piezoelectric substrate and a plurality of interdigital electrodes transducers arranged on the piezoelectric substrate.
- 8. A ladder filter according to Claim 1, wherein the resonator is a piezoelectric thin-film resonator including a substrate provided with one of an opening and a recess and a vibrating portion defined by a piezoelectric thin film including at least one layer and arranged above the opening or the recess that is sandwiched by at least a pair of electrodes.
 - 9. A branching filter comprising the ladder filter as set forth in Claim 1.
- 10. A communication apparatus including the ladder filter as set forth in Claim1.
- 11. A communication apparatus including the branching filter as set forth in Claim 9.